



HHS025DR

h3+ MCCBs thermal magnetic release

Characteristics:

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Thermal Magnetic Trip Unit with adjustable O/L and S/C
- Adjustable Overload from 63% to 100%
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Calibrated at 50°C
- Current Limiting type
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
25kA	40A	P160	HHS040DR	10830	HHS041DR	12730
	63A		HHS063DR	10830	HHS064DR	12910
	80A		HHS080DR	10830	HHS081DR	12730
	100A		HHS100DR	10680	HHS101DR	12790
	125A		HHS125DR	17120	HHS126DR	20880
	160A	P250	HHS160DR	18900	HHS161DR	23430
	200A		HHT200DR	30940	HHT201DR	37220
	250A		HHT250DR	31080	HHT251DR	38310
	320A		HHJ320DR	39340	HHJ321DR	49290
	400A	P630	HHJ400DR	39190	HHJ401DR	49970
	630A		HHJ630DE	50780	HHJ631DE	59950

Breaking Capacity

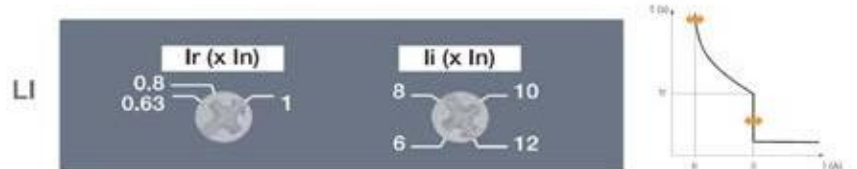
Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40kA	40A	P160	HNS040DR	12330	HNS041DR	14480
	63A		HNS063DR	12330	HNS064DR	14480
	80A		HNS080DR	12330	HNS081DR	14480
	100A		HNS100DR	12330	HNS101DR	14690
	125A		HNS125DR	18040	HNS126DR	22100
	160A	P250	HNS160DR	19960	HNS161DR	24820
	200A		HNT200DR	31340	HNT201DR	41470
	250A		HNT250DR	33310	HNT251DR	41890
	320A		HNJ320DR	39570	HNJ321DR	50060
	400A	P630	HNJ400DR	39980	HNJ401DR	50750
	630A		HNJ630DE	50360	HNJ631DE	60300

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
50kA	40A	P160	HMS040DR	16110	HMS041DR	20230
	63A		HMS063DR	16110	HMS064DR	20230
	80A		HMS080DR	16110	HMS081DR	20230
	100A		HMS100DR	16110	HMS101DR	20230
	125A		HMS125DR	20280	HMS126DR	23960
	160A	P250	HMS160DR	23420	HMS161DR	27520
	200A		HMT200DR	35230	HMT201DR	43040
	250A		HMT250DR	36240	HMT251DR	46080
	320A		HMJ320DR	44930	HMJ321DR	54740
	400A	P630	HMJ400DR	44610	HMJ401DR	55750
	630A		HMJ630DE	57840	HMJ631DE	73550



Thermal Magnetic Releases



+ Rated Current (Ir) Settings from 63% In

+ Neutral Protection in 4P versions (with option to switch 'off')

L – Long Time / I – Instantaneous



HHT250JR

h3+ MCCBs microprocessor LSI release

Characteristics:

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSI Protection
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Instantaneous
- I2T ON / OFF for precise coordination
- Dedicated Pre Trip Alarm Contact to help in service continuity

- Accurate setting of overload protection
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

Breaking Capacity Ics=100% Icu as per IEC 60947-2)

Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40A	P160	HHS040JR	21790	HHS041JR	28300
100A	P160	HHS100JR	21790	HHS101JR	28030
160A	P250	HHS160JR	27830	HHS161JR	36020
250A	P250	HHT250JR	36580	HHT251JR	46920

Breaking Capacity Ics=100% Icu as per IEC 60947-2)

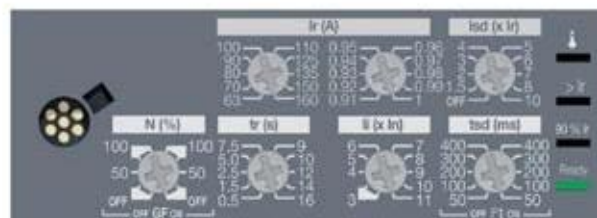
Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40A	P160	HNS040JR	21840	HNS041JR	27780
100A	P160	HNS100JR	21840	HNS101JR	27780
160A	P160	HNS160JR	27920	HNS161JR	39230
250A	P250	HNT250JR	38500	HNT251JR	52590
400A	P630	HNW400JR	61150	HNW401JR	69810
630A	P630	HNW630JR	64640	HNW631JR	83800

Breaking Capacity Ics=100% Icu as per IEC 60947-2)

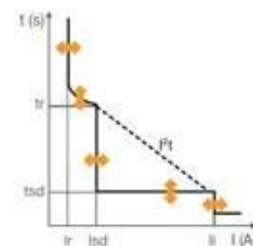
Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40A	P160	HMS040JR	25120	HMS041JR	34410
100A	P160	HMS100JR	25120	HMS101JR	35440
160A	P160	HMS160JR	31850	HMS161JR	41240
250A	P250	HMT250JR	43160	HMT251JR	59100
400A	P630	HMW400JR	64000	HMW401JR	83030
630A	P630	HMW630JR	66260	HMW631JR	87790

h3+ Range Overview Electronic Releases

LSI
LSIG



Trip unit LSI



- + Easy Dial Settings in Absolute Value for Ir
- + Rated Current Settings with Fine Tuning From 35% of In
- + I2t On / Off Feature for precise coordination

L – Long Time / S – Short Time / I – Instantaneous / G – Ground Fault
LSI – S with adjustable delay



HHT250LR

h3+ MCCBs microprocessor LSIG release

Characteristics:

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSIG Protection
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Ground Fault / Instantaneous
- I2T ON / OFF for precise coordination
- Dedicated PreTrip Alarm Contact to help in service continuity

- Accurate setting of overload protection
- Neutral Protection for all 4P breakers as standard (option of OFF / 50% / 100% Neutral setting)
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
25kA	40A	P250	HHT040LR	39250	HHT041LR	43930
	100A		HHT100LR	39250	HHT101LR	43930
	160A		HHT160LR	41510	HHT161LR	49910
	250A		HHT250LR	47530	HHT251LR	56950

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40kA	40A	P250	HNT040LR	39440	HNT041LR	45660
	100A		HNT100LR	39440	HNT101LR	45660
	160A		HNT160LR	42900	HNT161LR	51510
	250A		HNT250LR	48100	HNT251LR	59670
	400A	P630	HNW400LR	68340	HNW401LR	77760
	630A		HNW630LR	78530	HNW631LR	92440

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
50kA	40A	P250	HMT040LR	42900	HMT041LR	49160
	100A		HMT100LR	42900	HMT101LR	49160
	160A		HMT160LR	48700	HMT161LR	52660
	250A		HMT250LR	52040	HMT251LR	61090
	400A	P630	HMW400LR	70240	HMW401LR	83880
	630A		HMW630LR	78810	HMW631LR	98350

h3+ Key Benefits



Integrated PTA output contact
Output contact dedicated to the overload prealarm.



* No derating up to 50°C



High contrast display
Display on h3+ Energy breakers can be oriented in any direction to match the MCCB orientation.



Integrated OAC output contact
Output contact assignable to a custom alarm with access behind the front cover. Available in Energy release



HHS040NR

h3+ MCCBs microprocessor LSIG - energy release

Characteristics:

- Complies with IEC 60947-2
- 3 Frame sizes: P160, P250 & P630
- Microprocessor Trip Unit with LSIG Protection, OLED Display
- Multifunction Metering with accuracy class 0.5 for V & I
- Adjustable Overload with Delay / Short Circuit with adjustable Delay / Ground Fault / Instantaneous
- I2T ON / OFF for precise coordination
- Pre Trip Alarm Contact to help in service continuity
- Alarm Management with dedicated alarm contact
- ZSI for intelligent discrimination
- Optimal Panel mounted display for visualization and control
- Complete range of accessories
- Direct mounting arrangement for Extended Rotary Handle for quick installation
- International Certification and approvals

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
25kA	40A	P160	HHS040NR	#	HHS041NR	#
	100A		HHS100NR	#	HHS101NR	#
	160A	P250	HHS160NR	#	HHS161NR	#
	250A		HHT250NR	#	HHT251NR	#

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
40kA	40A	P160	HNS040NR	#	HNS041NR	#
	100A		HNS100NR	#	HNS101NR	#
	160A		HNS160NR	#	HNS161NR	#
	250A	P250	HNT250NR	#	HNT251NR	#
	400A	P630	HNW400NR	#	HNW401NR	#
	330A		HNW630NR	#	HNW631NR	#

Breaking Capacity

Ics=100% Icu as per IEC 60947-2	Rated Current	Frame	Cat. Ref. 3 Pole	Unit MRP (₹)	Cat. Ref. 4 Pole	Unit MRP (₹)
50kA	40A	P160	HMS040NR	#	HMS041NR	#
	100A		HMS100NR	#	HMS101NR	#
	160A		HMS160NR	#	HMS161NR	#
	250A	P250	HMT250NR	#	HMT251NR	#
	400A	P630	HMW400NR	#	HMW401NR	#
	630A		HMW630NR	#	HMW631NR	#

Price on Request

h3+ Energy Release with embedded display



OLED

Energy electronic trip unit with:

- + Embedded OLED display (Detachable)
- + Easy usability through single Joystick
- + Measurement features (I, V, P, E, PF, THD, F...)
- + Class 0.5 accuracy for V & I according to IEC 61557-12
- + Alarm management and event histories
- + Inbuilt Output contacts for alarms
- + Modbus communication for remote monitoring and control
- + Configuration via wifi for easy maintenance
- + Panel display for Local Visualization & control
- + ZSI for Intelligent Discrimination

h3+ traditional version

Guaranteed protection

The new range of moulded case circuit breakers provides solutions suitable for electrical installations in commercial buildings. It offers reliable protection against overloads and short circuits.

The multiple setting options, created by coordinating the protection systems, offer the best possible combinations. This brings a threefold benefit: guaranteeing user and equipment safety under all conditions, ensuring continuity of service and availability of energy in normal operating situations, and, in case of transient faults, reducing the risks to the installation's components.



All products in the new range can be easily integrated in the hager enclosure systems.



- Most compact product on the market with measurement and communication.
- From 25 to 630 A
- Three frame sizes
- Can be mounted on the DIN rail in option up to 250 A
- TM, MAG, LSnI, LSI, LSIG and Energy trip units
- Breaking capacity of 25, 40, 50, 70 and 110 kA at 415 VAC
- 3P3D or 4P4D
(neutral adjustable to 0, 50 or 100 %)
- Wide range of auxiliaries and accessories
- Horizontal or vertical installation

01

Secure screw

The **quarter-turn** auxiliary access system saves time when installing the product. The secure screw offers additional comfort.



02

Hinged front cover

The front cover offers multiple advantages. It is mounted on hinges. It remains integral with the case once opened, preventing incorrect refitting.



03

Auxiliary window

The type of auxiliaries can be seen directly through the windows on the front panel, without removing the cover.



04

Integrated padlock

The handle can be directly locked with no need for extra accessories.



All the technical specifications are available in the technical repository and the network calculation software, hagercad.net.



HXA011H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
P160 Frame			
Auxiliary Contact	1	HXA021H	1620
Alarm Contact	1	HXA024H	1620
Shunt 230V AC	1	HXA004H	3350
UnderVoltage - 24V DC	1	HXA011H	4160
UnderVoltage - 240V DC	1	HXA014H	4160
UnderVoltage - 415V AC	1	HXA015H	4100
Direct Rotary Handle	1	HXS030H	1640
Extended Rotary Handle	1	HXS031H	2620
Spreaders - 3P	1	HYS011H	890
Spreaders - 4P	1	HYS012H	1160
Interphase barrier 3/4P	1	HYS019H	550



HXA004H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
P250 Frame			
Auxiliary Contact	1	HXA021H	1620
Alarm Contact	1	HXA024H	1620
Shunt 230V AC	1	HXA004H	3350
UnderVoltage - 24V DC	1	HXA011H	4160
UnderVoltage - 240V DC	1	HXA014H	4160
UnderVoltage - 415V AC	1	HXA015H	4100
Direct Rotary Handle	1	HXT030H	1790
Extended Rotary Handle	1	HXT031H	2850
Spreaders - 3P	1	HYB011H	890
Spreaders - 4P	1	HYB012H	1220
Interphase barrier 3/4P	1	HYT019H	560
Motor Mechanism (auto reset) 240V AC	1	HXT042H	32920



HXW030H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
P630 Frame			
Auxiliary Contact	1	HXA021H	1620
Alarm Contact	1	HXA024H	1620
Shunt 230V AC	1	HXA004H	3350
UnderVoltage - 24V DC	1	HXA011H	4160
UnderVoltage - 240V DC	1	HXA014H	4160
UnderVoltage - 415V AC	1	HXA015H	4100
Direct Rotary Handle	1	HXW030H	2740
Extended Rotary Handle	1	HXW031H	5170
Spreaders - 3P	1	HYD014H	2320
Spreaders - 4P	1	HYD015H	2750
Interphase barrier 3/4P	1	HYW019H	1190
Motor Mechanism (auto reset) 240V AC	1	HXW042H	52460



HDA125Z

MCCBs thermal magnetic release

Characteristics:

- Complies with IEC 60947-2
- Thermal Magnetic and Microprocessor Trip Units
- Calibrated at 50°C
- Current Limiting type
- Complete range of accessories
- International Certification and approvals
- BIS certified

X160 frame MCCB

fixed overload, fixed short circuit

breaking capacity
Icu : 18kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
32A, 3 pole	1	HDA032Z	7250
40A, 3 pole	1	HDA040Z	7250
63A, 3 pole	1	HDA063Z	7250
80A, 3 pole	1	HDA080Z	7250
100A, 3 pole	1	HDA100Z	7250
125A, 3 pole	1	HDA125Z	8850
160A, 3 pole	1	HDA160Z	9740



HHA125Z

X160 frame MCCB

fixed overload, fixed short circuit

breaking capacity
Icu : 25kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
32A, 3 pole	1	HHA032Z	9000
40A, 3 pole	1	HHA040Z	9000
63A, 3 pole	1	HHA063Z	8870
80A, 3 pole	1	HHA080Z	8870
100A, 3 pole	1	HHA100Z	8870
125A, 3 pole	1	HHA125Z	11960
160A, 3 pole	1	HHA160Z	14920

32A, 4 pole	1	HHA033Z	12270
40A, 4 pole	1	HHA041Z	12270
63A, 4 pole	1	HHA064Z	12210
80A, 4 pole	1	HHA081Z	12270
100A, 4 pole	1	HHA101Z	12270
125A, 4 pole	1	HHA126Z	15460
160A, 4 pole	1	HHA161Z	18760



HDA161U

X160 frame MCCB
overload adjustable 0.63-0.8-1 x In
short circuit fixed
 breaking capacity
 Icu : 18kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
40A, 3 pole	1	HDA040U	8170
63A, 3 pole	1	HDA063U	8170
80A, 3 pole	1	HDA080U	8170
100A, 3 pole	1	HDA100U	8170
125A, 3 pole	1	HDA125U	9720
160A, 3 pole	1	HDA160U	11250

40A, 4 pole	1	HDA041U	10690
63A, 4 pole	1	HDA064U	10540
80A, 4 pole	1	HDA081U	10540
100A, 4 pole	1	HDA101U	10540
125A, 4 pole	1	HDA126U	11170
160A, 4 pole	1	HDA161U	12430



HHA161U

X160 frame MCCB
overload adjustable 0.63-0.8-1 x In
short circuit fixed
 breaking capacity
 Icu : 25kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
40A, 3 pole	1	HHA040U	10260
63A, 3 pole	1	HHA063U	10260
80A, 3 pole	1	HHA080U	10260
100A, 3 pole	1	HHA100U	10110
125A, 3 pole	1	HHA125U	12330
160A, 3 pole	1	HHA160U	15170

40A, 4 pole	1	HHA041U	13870
63A, 4 pole	1	HHA064U	13670
80A, 4 pole	1	HHA081U	13870
100A, 4 pole	1	HHA101U	13670
125A, 4 pole	1	HHA126U	16080
160A, 4 pole	1	HHA161U	19670



HNA126U

X160 frame MCCB
overload adjustable 0.63-0.8-1 x In
short circuit fixed
 breaking capacity
 Icu : 40kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
40A, 3 pole	1	HNA040U	12690
63A, 3 pole	1	HNA063U	12690
80A, 3 pole	1	HNA080U	12690
100A, 3 pole	1	HNA100U	12690
125A, 3 pole	1	HNA125U	15220
160A, 3 pole	1	HNA160U	19030

40A, 4 pole	1	HNA041U	16860
63A, 4 pole	1	HNA064U	16860
80A, 4 pole	1	HNA081U	16860
100A, 4 pole	1	HNA101U	16860
125A, 4 pole	1	HNA126U	18030
160A, 4 pole	1	HNA161U	21460



HNB100U

X250 frame MCCB
fixed overload, fixed short circuit
Icu : 25kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
200A, 3 pole	1	▶ HHB200Z	18490
250A, 3 pole	1	▶ HHB250Z	23650
200A, 4 pole	1	▶ HHB201Z	19780
250A, 4 pole	1	▶ HHB251Z	25350

Over load adjustable 0.63-0.8-1 x In
short circuit adjustable
6-8-10-13 x In (100-200A)
5-7-9-11 x In (250A)
Icu : 40kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
100A, 3 pole	1	HNB100U	14150
125A, 3 pole	1	HNB125U	15770
160A, 3 pole	1	HNB160U	20860
200A, 3 pole	1	▶ HNB200U	21820
250A, 3 pole	1	▶ HNB250U	29830
100A, 4 pole	1	HNB101U	18130
125A, 4 pole	1	HNB126U	19040
160A, 4 pole	1	HNB161U	24010
200A, 4 pole	1	▶ HNB201U	31630
250A, 4 pole	1	▶ HNB251U	35900

H1000 frame MCCB
Over load adjustable 0.4-1.0 x In
short circuit adjustable
2.5-10 x Ir (630-800A)
2.5-8 x In (1000A)
time delay 0.1-0.2 sec
Icu : 50kA

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
800A, 3 pole	1	▶ HNE800H	129350
1000A, 3 pole	1	HNE970H	152790
800A, 4 pole	1	▶ HNE801H	161370
1000A, 4 pole	1	HNE971H	204030



HXA021H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
X160 Frame MCCB			
Auxiliary Contact	1	HXA021H	1620
Alarm Contact	1	HXA024H	1620
Shunt 230V AC	1	HXA004H	3350
UnderVoltage - 24V DC	1	HXA011H	4160
UnderVoltage - 240V AC	1	HXA014H	4160
UnderVoltage - 415V AC	1	HXA015H	4100
Direct Rotary Handle	1	HXA030H	2060
Extended Rotary Handle	1	HXA031H	2830
Spreaders - 3P	1	HYA014H	780
Speaders - 4P	1	HYA015H	1050
Phase barriers - 3P / 4P	1	HYB019H	295
DIN Rail Adaptor	1	HYA033H	580



HXA030H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
X250 Frame MCCB			
Auxiliary Contact	1	HXA021H	1620
Alarm Contact	1	HXA024H	1620
Shunt 230V AC	1	HXA004H	3350
UnderVoltage - 24V DC	1	HXA011H	4160
UnderVoltage - 240V AC	1	HXA014H	4160
UnderVoltage - 415V AC	1	HXA015H	4100
Direct Rotary Handle	1	HXB030H	2170
Extended Rotary Handle	1	HXB031H	3210
Motor Operator 240VAC	1	HXB042H	33290
Spreaders - 3P	1	HYB011H	890
Speaders - 4P	1	HYB012H	1220
Phase barriers - 3P / 4P	1	HYB019H	295
Mechanical Interlock	1	HXB065H	20435



HXC021H

Description	Pack Qty.	Cat. Ref.	Unit MRP (₹)
H1000 Frame MCCB			
Auxiliary Contact	1	HXC021H	1750
Alarm Contact	1	HXC024H	1750
Shunt 230V AC	1	HXC004H	4070
UnderVoltage - 240V AC	1	HXE014H	3580
UnderVoltage - 415V AC	1	HXE015H	3580
Direct Rotary Handle	1	HXE030H	4635
Extended Rotary Handle	1	HXE031H	8360
Motor Operator 240VAC	1	HXE042H	54000
Mechanical Interlock	1	HXE065H	127440